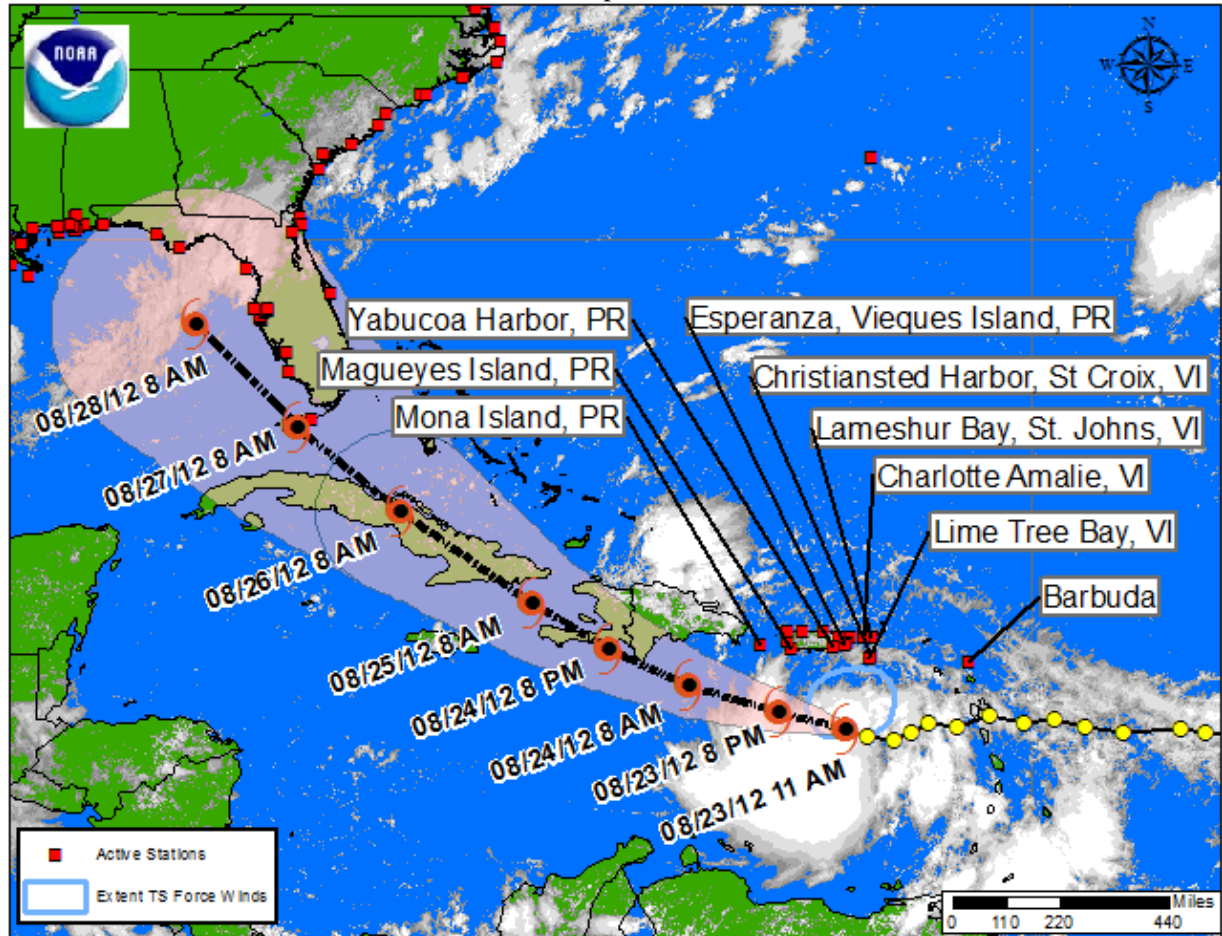




Tropical Storm ISAAC QuickLook
Posted: 12:00 AST 08/23/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/23/2012 12:00 AST, water levels from Barbuda and the U.S. Virgin Islands to Puerto Rico are slowly rising and range between 0.5 to 1.04 ft above tidal predictions. Water levels from Barbuda to Puerto Rico have been elevated by up to 0.5 feet above tidal predictions over the past several months. This residual water level is in addition to any storm surge effects from Isaac. Across the U.S. Virgin Islands, winds are around 10 knots with gusts between 15 and 20 knots. At Barbuda, winds are around 30 knots with gusts up to 40 knots have been observed over the past few hours. Barometric pressure is falling across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Christiansted Harbor, St Croix, VI: Next predicted high tides are 0.6 ft (0.19 m) at 08/23/2012 14:23 AST and 0.7 ft (0.22 m) at 08/24/2012 16:23 AST.

Tropical Storm ISAAC QuickLook, POSTED 12:00 AST 08/23/2012

Lameshur Bay, St. John, VI: Next predicted high tides are 0.9 ft (0.28 m) at 08/23/2012 14:55 AST and 1.0 ft (0.30 m) at 08/24/2012 16:02 AST.

Lime Tree Bay, VI: Next predicted high tides are 0.8 ft (0.24 m) at 08/23/2012 18:19 AST and 0.9 ft (0.27 m) at 08/24/2012 18:49 AST.

Charlotte Amalie, VI: Next predicted high tides are 0.9 ft (0.28 m) at 08/23/2012 14:57 AST and 1.0 ft (0.30 m) at 08/24/2012 16:12 AST.

Esperanza, Vieques Island, PR: Next predicted high tides are 0.6 ft (0.19 m) at 08/23/2012 16:08 AST and 0.7 ft (0.22 m) at 08/24/2012 17:02 AST.

Yabucoa Harbor, PR: Next predicted high tides are 0.6 ft (0.20 m) at 08/23/2012 16:48 AST and 0.7 ft (0.22 m) at 08/24/2012 17:33 AST.

Magueyes Island, PR: Next predicted high tides are 0.8 ft (0.25 m) at 08/23/2012 18:14 AST and 0.9 ft (0.27 m) at 08/24/2012 18:43 AST.

Mona Island, PR: Next predicted high tides are 0.8 ft (0.25 m) at 08/23/2012 18:36 AST and 0.9 ft (0.28 m) at 08/24/2012 19:21 AST.

Barbuda: Next predicted high tides are 0.7 ft (0.22 m) at 08/23/2012 19:17 AST and 0.7 ft (0.22 m) at 08/24/2012 19:29 AST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: JK

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 10
NWS NATIONAL HURRICANE CENTER MIAMI FL
1100 AM AST THU AUG 23 2012

...ISAAC CONTINUES MOVING WESTWARD TO THE SOUTH OF THE VIRGIN ISLANDS AND PUERTO RICO...

WATCHES AND WARNINGS

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 AM AST. THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED ABOUT 200 MI SSE OF SAN JUAN PUERTO RICO ABOUT 360 MI ESE OF SANTO DOMINGO DOMINICAN REPUBLIC. ISAAC IS MOVING TOWARD THE WEST NEAR 15 MPH. A TURN TOWARD THE WEST-NORTHWEST IS EXPECTED THIS AFTERNOON...AND A WEST-NORTHWESTWARD MOTION IS EXPECTED TO CONTINUE THROUGH SATURDAY. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD PASS SOUTH OF PUERTO RICO TODAY...AND BE NEAR THE SOUTH COAST OF THE DOMINICAN REPUBLIC AND HAITI ON FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 40 MPH WITH HIGHER GUSTS. STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND ISAAC COULD BECOME A HURRICANE AS IT NEARS THE DOMINICAN REPUBLIC AND HAITI.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES FROM THE CENTER. NOAA BUOY 42060 RECENTLY REPORTED 1-MINUTE MEAN WINDS OF 40 MPH AND A WIND GUST OF 47 MPH.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1003 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE SUBSIDING OVER THE LEEWARD ISLANDS. TROPICAL STORM CONDITIONS ARE EXPECTED OVER PORTIONS OF PUERTO RICO AND THE U.S. AND BRITISH VIRGIN ISLANDS TODAY.

RAINFALL...TOTAL RAIN ACCUMULATIONS OF 2 TO 4 INCHES...WITH MAXIMUM AMOUNTS OF 10 INCHES OVER HIGHER TERRAIN...ARE POSSIBLE OVER PUERTO RICO AND THE VIRGIN ISLANDS. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES. TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES ARE POSSIBLE OVER THE NORTHERN WINDWARD ISLANDS AND THE LEEWARD ISLANDS.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE NORMAL TIDE LEVELS IN AREAS OF ONSHORE WINDS ALONG THE COAST OF HISPANIOLA. A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IN THE NORTHERN LEEWARD ISLANDS...PUERTO RICO...AND THE U.S. AND BRITISH VIRGIN ISLANDS. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES.

SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT THE WINDWARD

Tropical Storm ISAAC QuickLook, POSTED 12:00 AST 08/23/2012

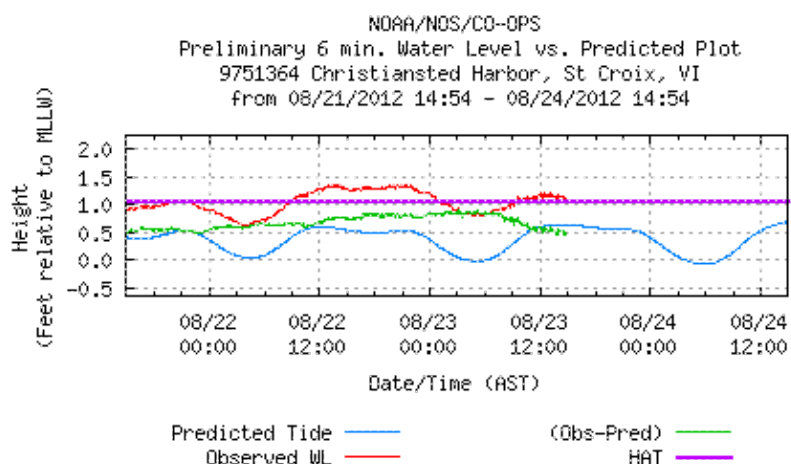
ISLANDS...LEEWARD ISLANDS...VIRGIN ISLANDS...AND PUERTO RICO DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Lameshur Bay, St. John - Water Level](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [Magueyes Island - Barometric](#), [Mona Island - Water Level](#), [Barbuda - Water Level](#), [Barbuda - Winds](#), [Barbuda - Barometric](#),

Christiansted Harbor, St Croix, VI - Return to List

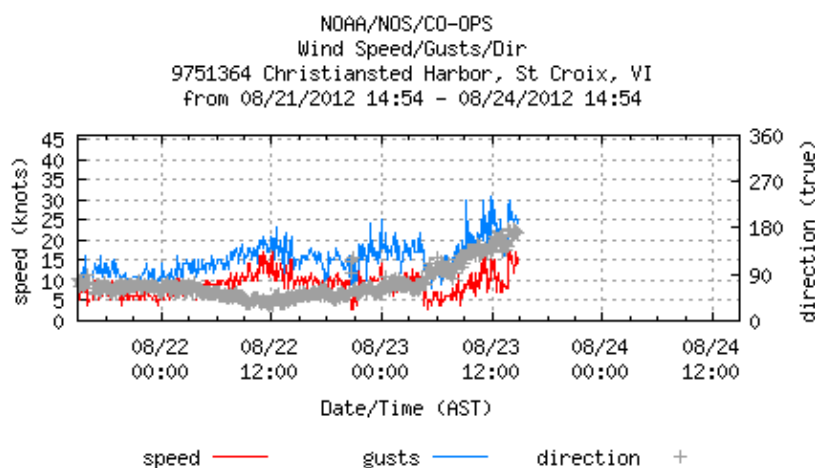


Last Observed Sample: 08/23/2012 14:42 (AST)

Relative to MLLW: **Observed: 1.09 ft.** **Predicted: 0.64 ft.** **Residual: 0.45 ft.**

Historical Maximum Water Level: Oct 16 2008, 1.17 ft. above MHHW

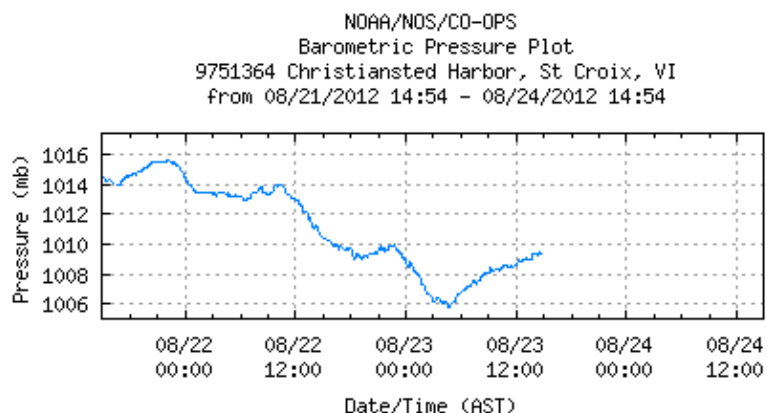
Christiansted Harbor, St Croix, VI - Return to List



Last Observed Sample: 08/23/2012 14:42 (AST)

Wind Speed: 14 knots **Gusts: 24 knots** **Direction: 172° T**

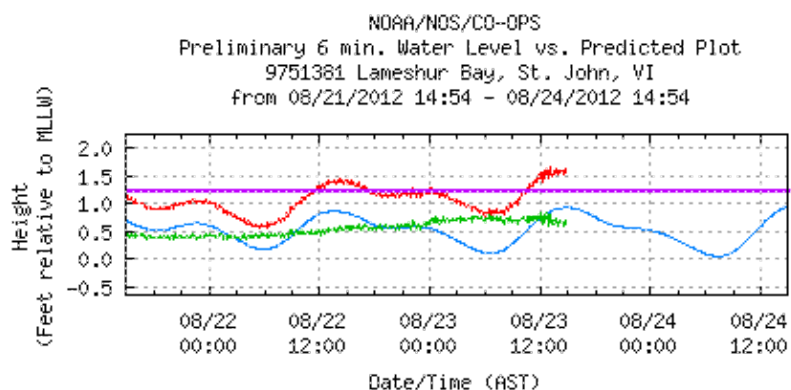
Christiansted Harbor, St Croix, VI - Return to List



Last Observed Sample: 08/23/2012 14:42 (AST)

Barometric Pressure: 1009.4 mb

Lameshur Bay, St. John, VI - Return to List

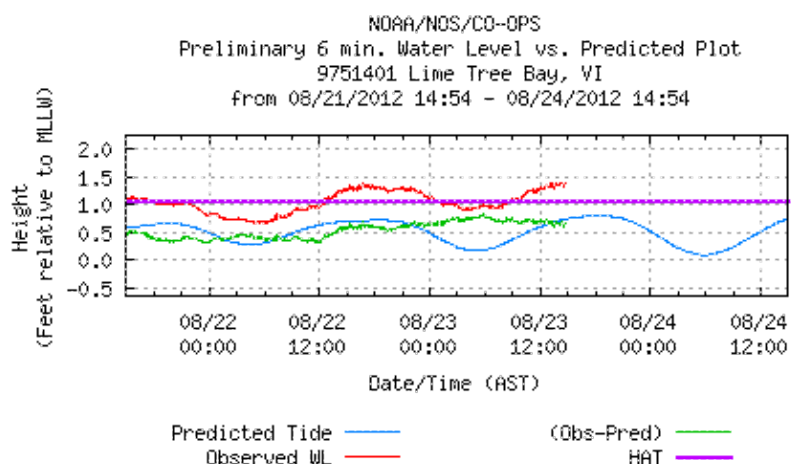


Last Observed Sample: 08/23/2012 14:48 (AST)

Relative to MLLW: Observed: 1.62 ft. Predicted: 0.93 ft. Residual: 0.69 ft.

Historical Maximum Water Level: Aug 30 2010, 0.9 ft. above MHHW

Lime Tree Bay, VI - Return to List

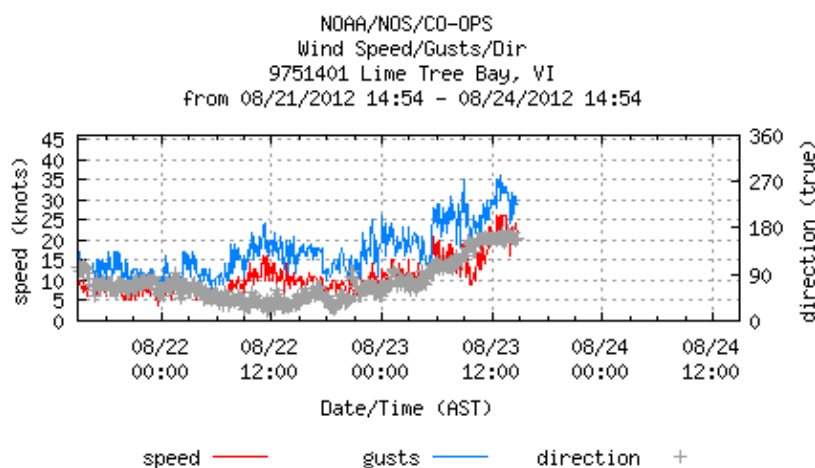


Last Observed Sample: 08/23/2012 14:42 (AST)

Relative to MLLW: **Observed: 1.40 ft.** **Predicted: 0.73 ft.** **Residual: 0.67 ft.**

Historical Maximum Water Level: Nov 17 1999, 1.88 ft. above MHHW

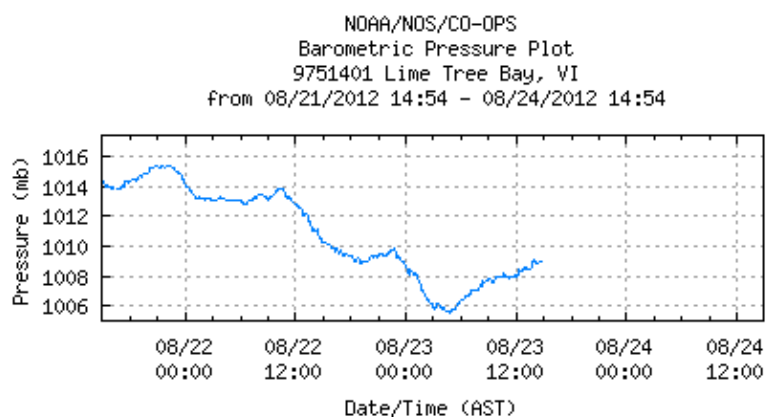
Lime Tree Bay, VI - Return to List



Last Observed Sample: 08/23/2012 14:42 (AST)

Wind Speed: 21 knots **Gusts: 29 knots** **Direction: 158° T**

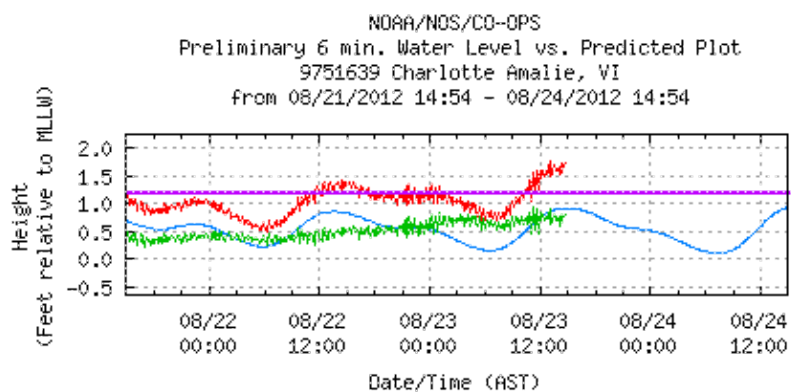
Lime Tree Bay, VI - Return to List



Last Observed Sample: 08/23/2012 14:42 (AST)

Barometric Pressure: 1008.9 mb

Charlotte Amalie, VI - Return to List

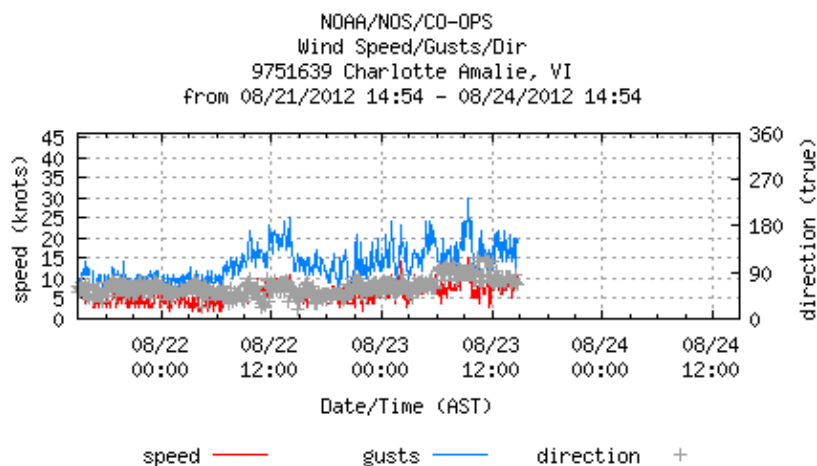


Last Observed Sample: 08/23/2012 14:42 (AST)

Relative to MLLW: Observed: 1.72 ft. Predicted: 0.92 ft. Residual: 0.80 ft.

Historical Maximum Water Level: Sep 16 1995, 2.93 ft. above MHHW

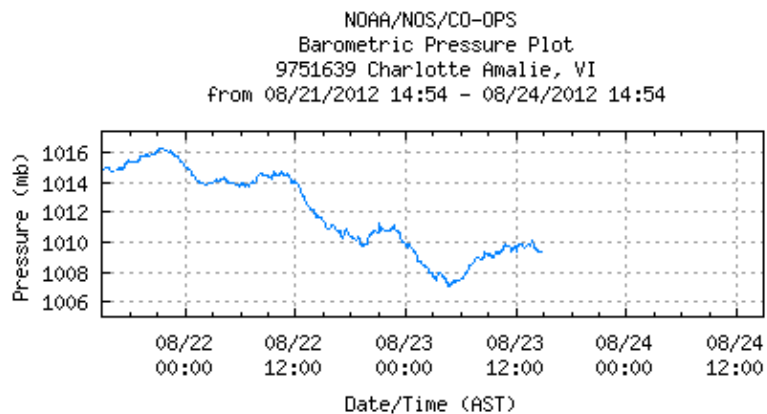
[Charlotte Amalie, VI - Return to List](#)



Last Observed Sample: 08/23/2012 14:42 (AST)

Wind Speed: 11 knots Gusts: 19 knots Direction: 67° T

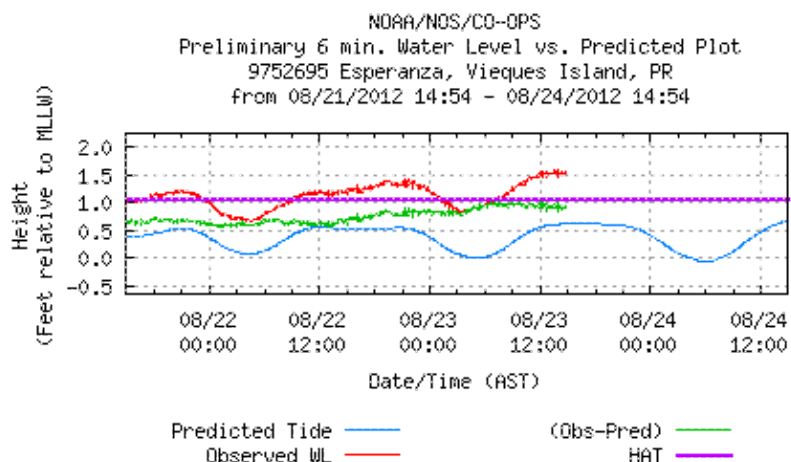
[Charlotte Amalie, VI - Return to List](#)



Last Observed Sample: 08/23/2012 14:42 (AST)

Barometric Pressure: 1009.4 mb

Esperanza, Vieques Island, PR - Return to List

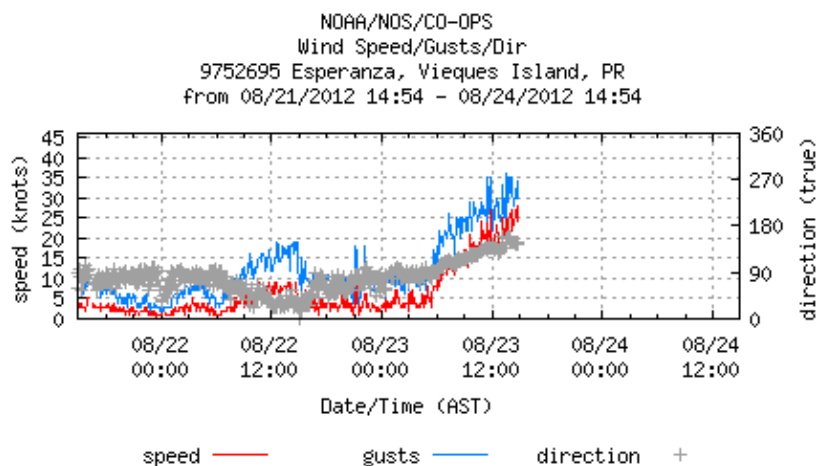


Last Observed Sample: 08/23/2012 14:48 (AST)

Relative to MLLW: **Observed: 1.51 ft.** **Predicted: 0.62 ft.** **Residual: 0.89 ft.**

Historical Maximum Water Level: Aug 22 2011, 1.04 ft. above MHHW

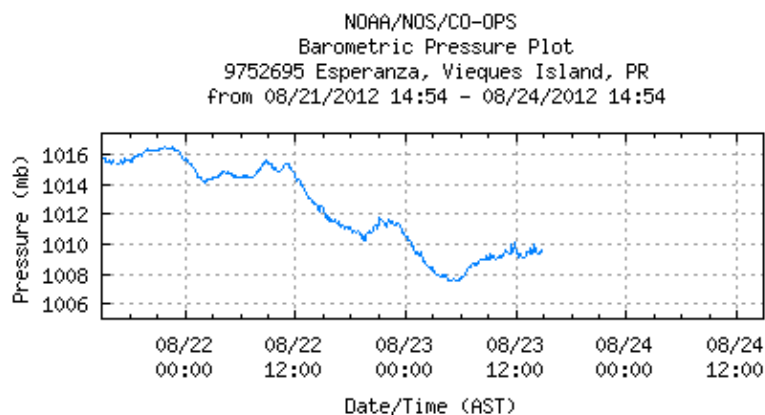
Esperanza, Vieques Island, PR - Return to List



Last Observed Sample: 08/23/2012 14:48 (AST)

Wind Speed: 24 knots **Gusts: 30 knots** **Direction: 147° T**

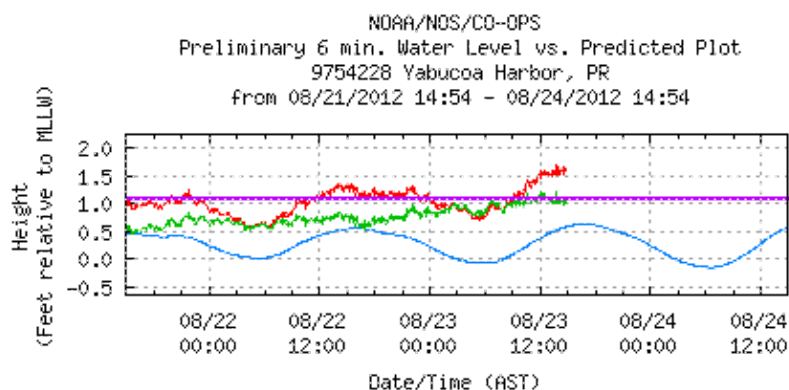
Esperanza, Vieques Island, PR - Return to List



Last Observed Sample: 08/23/2012 14:48 (AST)

Barometric Pressure: 1009.5 mb

Yabucoa Harbor, PR - Return to List

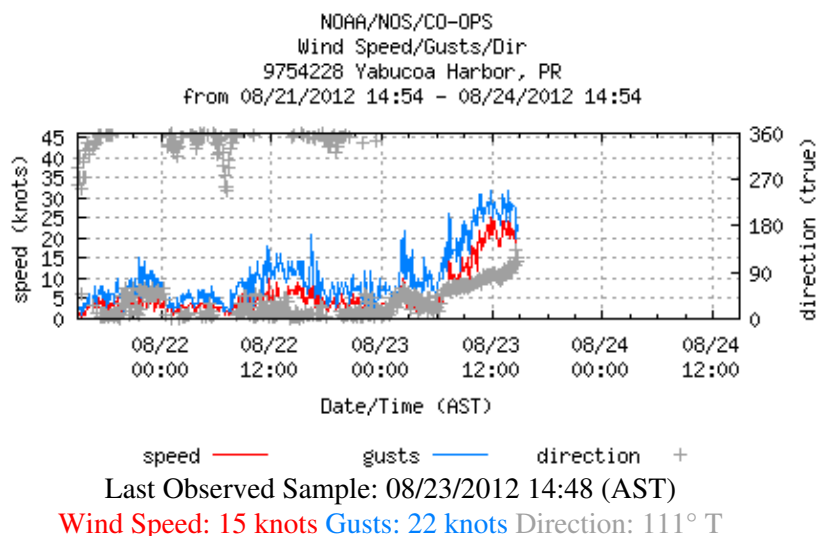


Last Observed Sample: 08/23/2012 14:48 (AST)

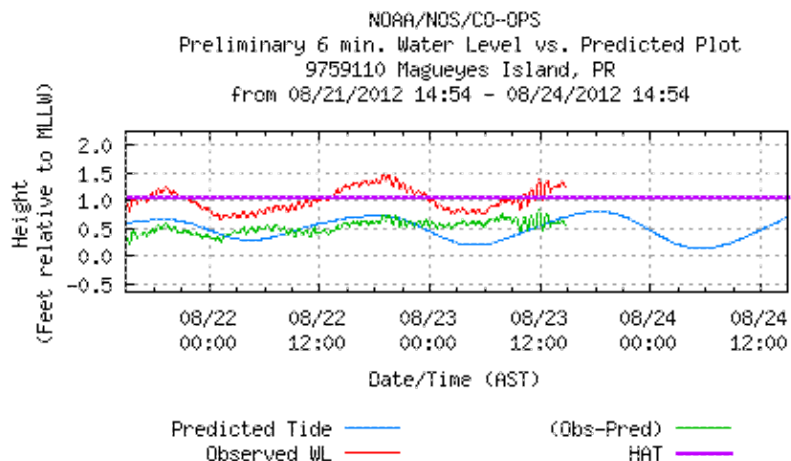
Relative to MLLW: **Observed: 1.58 ft.** **Predicted: 0.58 ft.** **Residual: 1.00 ft.**

Historical Maximum Water Level: , 0 ft. above MHHW

Yabucoa Harbor, PR - Return to List

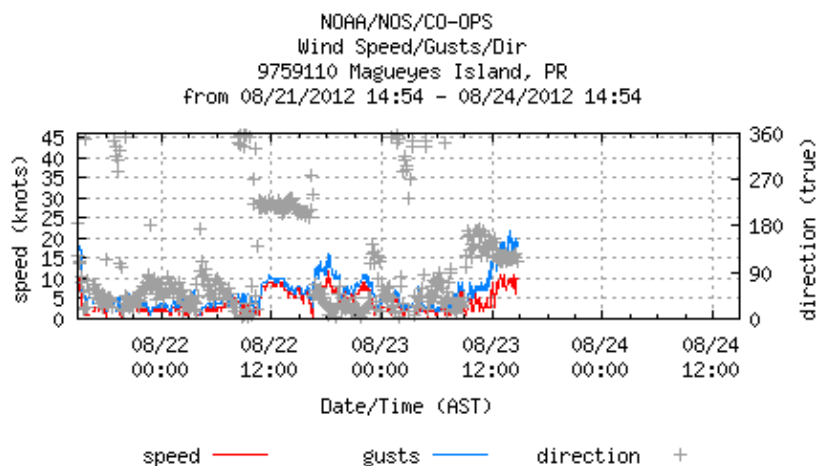


Magueyes Island, PR - Return to List



Last Observed Sample: 08/23/2012 14:42 (AST)
Relative to MLLW: Observed: 1.26 ft. Predicted: 0.70 ft. Residual: 0.56 ft.
Historical Maximum Water Level: Sep 22 1998, 1.6 ft. above MHHW

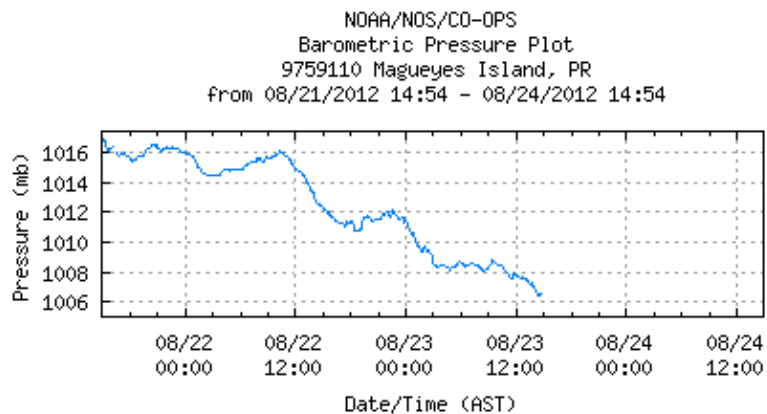
Magueyes Island, PR - Return to List



Last Observed Sample: 08/23/2012 14:42 (AST)

Wind Speed: 10 knots Gusts: 18 knots Direction: 110° T

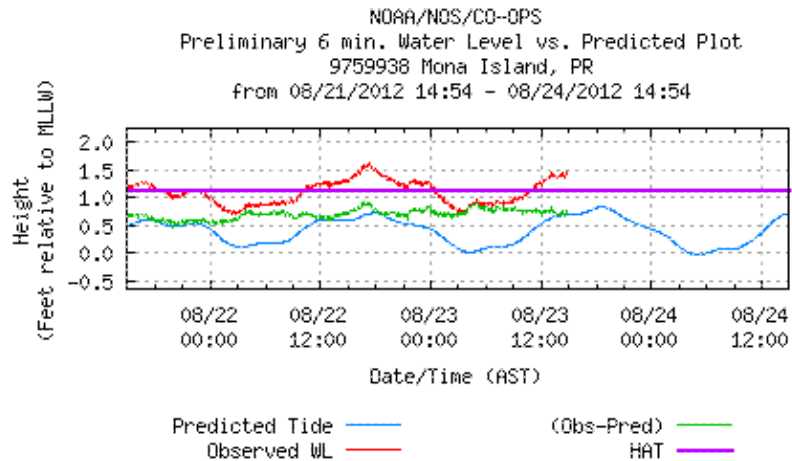
Magueyes Island, PR - Return to List



Last Observed Sample: 08/23/2012 14:42 (AST)

Barometric Pressure: 1006.5 mb

[Mona Island, PR - Return to List](#)

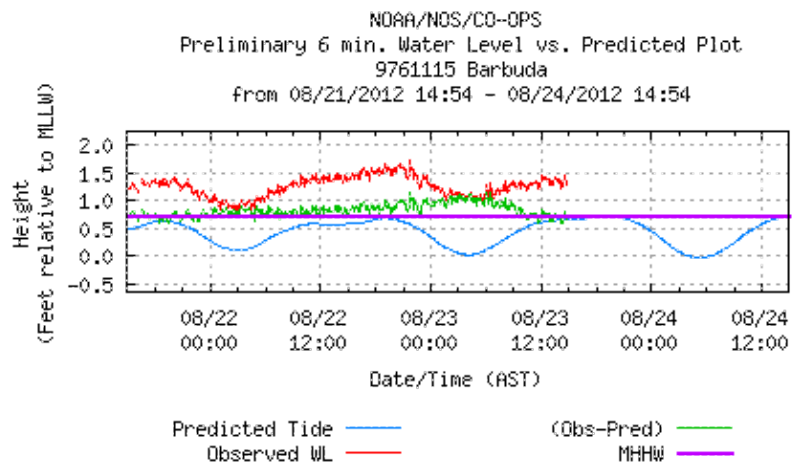


Last Observed Sample: 08/23/2012 14:48 (AST)

Relative to MLLW: **Observed: 1.45 ft.** **Predicted: 0.68 ft.** **Residual: 0.77 ft.**

Historical Maximum Water Level: Dec 23 2010, 1.26 ft. above MHHW

[Barbuda - Return to List](#)

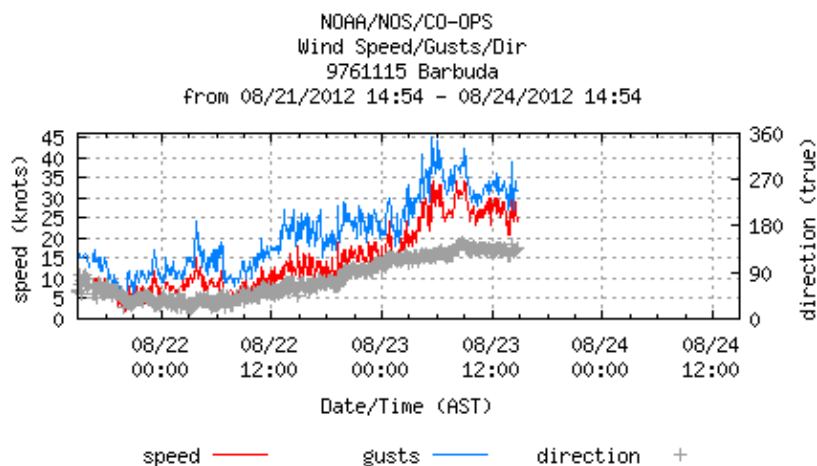


Last Observed Sample: 08/23/2012 14:42 (AST)

Relative to MLLW: **Observed: 1.30 ft.** **Predicted: 0.65 ft.** **Residual: 0.65 ft.**

Historical Maximum Water Level: , ft. above MHHW

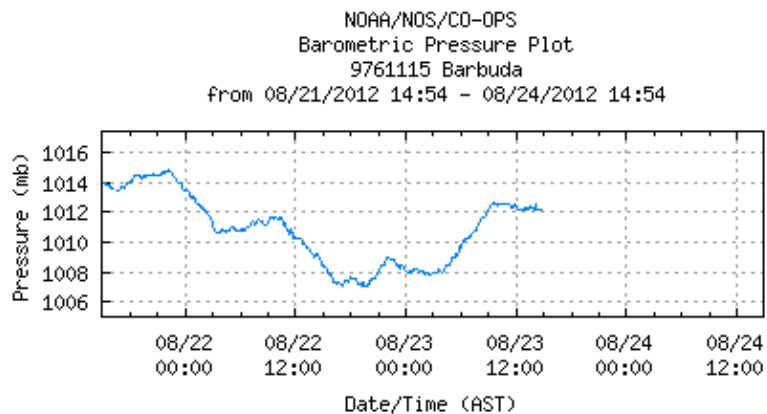
[Barbuda - Return to List](#)



Last Observed Sample: 08/23/2012 14:42 (AST)

Wind Speed: 24 knots Gusts: 32 knots Direction: 139° T

[Barbuda - Return to List](#)



Last Observed Sample: 08/23/2012 14:42 (AST)

Barometric Pressure: 1012.2 mb

Tropical Storm ISAAC QuickLook, POSTED 12:00 AST 08/23/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce